

ABSTRACT

The leach field of a septic type sewage system is heated by various means, to raise the temperature and increase biochemical activity in the influence zone of leach field conduits. The capacity for waste water treatment is thus increased or restored. Heating is achieved by alternative means, including by flowing hot air through the leach field conduit and into the influence zone, and by delivering heat directly to the influence zone by means of heat elements embedded in or near the influence zone. The temperature in the influence zone is raised by 1-5°F or more, preferably to the range 50-100°F. A dedicated, non-dedicated or geothermal heat source may be used. Heat loss upwardly through the soil is inhibited by insulation on the soil surface.

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